

Application No.: 10/822,200

Amendment Accompanying a RCE filed on November 27, 2006

Reply to Interview Summary, Advisory Action, and Final Office Action

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Current Listing of Claims:

This listing of claims will replace all prior versions and listings of claims in the subject application. Please amend claims 32, 35, and 37-39 as follows.

Claims 1-28 (previously cancelled).

Claims 29-31 (cancelled).

32. (currently amended) A multi-layered ePTFE graft ~~according to claim 29~~
comprising:

a first ePTFE tubular structure having a first internodal distance;

a second ePTFE tubular structure having a second internodal distance different than said first internodal distance, said second ePTFE tubular structure being disposed about said first ePTFE tubular structure; and

a self-sealing layer interposed between said first and second ePTFE tubular structures, wherein said self-sealing layer comprises a gel selected from the group consisting of gelatin, collagen, albumin, casein, algin, carboxymethyl cellulose, carageenan, furcellan, agarose, guar, locus bean gum, gum arabic, hydroxyethyl cellulose, hydroxypropyl cellulose, methyl cellulose, hydroxyalkylmethyl cellulose, pectin, partially deacetylated chitosan, starch and starch derivatives, amylose, amylopectin, xanthan, polylysine, hyaluronic acid, and its derivatives, heparin, their salts, and mixtures thereof, and

wherein said self-sealing material layer interposed between said first and second ePTFE tubular structures further comprises a material an elastomeric polymer layer comprising an elastomeric polymer component selected from the group consisting of thermoplastic elastomers, silicones, silicone rubbers, synthetic rubbers, polyurethanes, polyethers, polyesters, polyamides,

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fluoropolymers selected from the group consisting of fluorinated ethylene propylene copolymer and polyfluorinated alkanoates, and combinations thereof.

Claims 33-34 (cancelled).

35. (currently amended) A multi-layered graft according to claim 34 32 wherein said ~~self-sealing~~ elastomeric polymer layer adheres to said first and second ePTFE tubular structures.

36. (previously presented) A multi-layered graft according to claim 35, wherein said adherence is by chemical means, mechanical means or a combination thereof.

37. (currently amended) A multi-layered graft according to claim 34 32 wherein said elastomeric polymer layer is impregnated with said gel to enhance sealing properties thereof.

38. (currently amended) A multi-layered graft according to claim 34 32 wherein said elastomeric polymer layer comprises an internodal distance sufficient to promote cell endothelization and/or tissue ingrowth.

39. (currently amended) A multi-layered graft according to claim 34 32 wherein said elastomeric polymer layer comprises an internodal distance sufficient to promote enhanced strength and handling characteristics of the graft.

Claims 40-49 (cancelled).